**BIFP**

**What:** A Unique Biosciences Industry Fellows Program

- This program runs for the month of June based out of the National Center for the Biotechnology Workforce, Forsyth Tech, Winston - Salem, NC

- It’s a professional development program that delivers both hands-on skills and immersion into the industry

- In turn as a Fellow, you have an obligation to share your learning and experience with your colleagues at your college.
Year 3 - June 2016

• **What**: Bioscience Industry Fellows Program
• **Where**: Based in Winston - Salem NC
• **When**: June 1- 24, 2016
• **For Whom**: 10 US based instructors
• **Expectation**: Based on the first two years feedback we should have another excellent program
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Thank You!
www.biotechworkforce.org
US DOL TAACCCT Round 2 Grant

Started: October 1, 2012

Ends: September 30, 2016

Montgomery Community College Biotechnology Class

ForsythTech Science Skills Lab
Grant Value: $14,998,474

Recipients: 12 colleges, 8 states

Hubs by color:
- Lab Skills
- Medical Devices
- Biomanufacturing
- Learning

Map showing locations of the recipients.
Biomanufacturing

- Revised & Validated Skill Standards
- Tailored Credentials

Medical Devices

- New Skill Standards
- Tailored Credentials

Learning Technologies

- Contextual & Modularized Learning Program
- Tailored Credentials

Lab Skills

- Revised & Validated Skill Standards
- Tailored Credentials

- Increased Capacity
- Workforce Assessments & Training
- Harmonized Core Skill Standards
- NTER
- Articulations
Industry & Partners

Large Cap Industry
- Cook
- Boston Scientific
- Baxter
- Pfizer
- Merck
- Grifols

State BIO Associations
- PA BIO
- SoCalBIO
- NCBC
- BayBio
- Mass BIO
- CSBI
- CSBA
- BioNetwork

National Partners:
- Bio-Link: NSF ATE
- NBC²: NSF ATE
- PHRMA: National Pharma Org.
- MDMA: National Medical Device Org.
- BIO: National Industry Organization
- NCBW: DOL Initiated National Center

Small Cap Industry
- Ocular Systems
- Lampire Biological Labs
- Bioo Scientific
- Con Med
- Cel Analytical
- Prosetta Antiviral

Workforce Agencies & WIBs
- Texas Workforce Commission
- Florida Department of Economic Opportunity
- Northwest Piedmont Workforce Dev. Board
- Los Angeles WIB
- Montgomery County WIB
National Approach

• Increase capacity by building new programs - credit & short non-credit programs for technicians

• Build Bioscience Harmonized Skill Standards

• Remove barriers to achieving training (flexible labs, simulations & gaming programs)

• Industry Advisory Council’s input on credentials & program development

• Promote seamless articulations from 2-year schools to 4-year schools = 2+2 and back to 2-year from 4-year schools and beyond for hard skills training

• Promote internships (includes a Capstone experience)
Momentum

- Bioscience training opportunities provided to 2,369 Trade Adjustment Assistance displaced workers & others to date and 43,809 credit hours completed

- **New equipment acquired & installed** in Biomanufacturing Hub (Bucks, Montgomery, LAVC Community Colleges)

- **Training expansion** through biomanufacturing certificate programs

- **Fourteen c3bc community college students** attended **Biomanufacturing Boot Camp** at the BioNetwork Capstone Center, Raleigh, NC, June 1 – 10, 2015

- **New certificate programs offered in biomedical devices** at St. Petersburg, Ivy Tech & Salt Lake Community Colleges

- New **Environmental Monitoring** programs at City College of San Francisco

- New **basic skills** program at Austin Community College

- **Core Skill Standards** proposed and reviewed by the National Advisory Council, led by Madison Area Technical College & Lab Skills Hub

- Medical Devices Hub has obtained industry verification of **Skill Standards & Performance Assessments**

- Learning Technologies Hub at Forsyth Technical Community College expanded **modular video granules**, linking to **Science Skills Laboratory** with innovative flex hours & online access
Medical Device Skill Set Standard Development Meetings:

- Four National Meetings
  - Participation among major MD companies, trade organizations & community colleges
  - The MD skill set standards in the five functional areas:
    - Regulatory affairs
    - Engineering (R&D)
    - Manufacturing
    - Quality
    - Instrumentation
  - The MD core skill set standard:

Medical Devices Hub Meeting, California, April 2015
What is in it for Companies?

- The improved assessment of potential employees from a workforce prospective
- An increased source of qualified employees
- An Industry Recognized Harmonized Core of Skill Standards & Credentials
Thank You!

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